ATTENTION

1. DC 5V power input for equipment. Please only use the power adaptor provided in the package to operate the equipment. The allowed external voltage range of the adaptor is AC110V to 240V.

2. 12dB optical attenuation range. The total loss of optical fiber should be less than 12dB, otherwise, the receiver can not get the optical signals from the transmitter.

3. In-door equipments, operating temperature and humidity should be controlled within the specified parameters, or else, the equipment may be damaged.

4. In case the dust come in, please protect the optical connectors with cover when the equipment do not connect with anything.

Warning: Do not open the machine case. No spare parts are present inside the unit. Refer after-sale service, please contact with your dealer or our company directly.

CHENGDU HALLEY OF OPTO-ELECTRONIC TECHNOLOGIES CO.,LTD

http://www.halleycctv.com

http://www.terzian.com.br

Digital Video Optical System

HOE8321-32V

Video Optical Transmission

User's Manual

Manufacture Halley

Importer Terzian

System Solution OTech

CHENGDU HALLEY OF OPTO-ELECTRONIC TECHNOLOGIES CO., LTD

About this manual

Before operating the unit, please read this manual carefully and retain it for future reference.

The explanation given in this manual apply to the following models except the additional notice.

HOE8321-32V Transmitter;

HOE8321-32V Receiver.

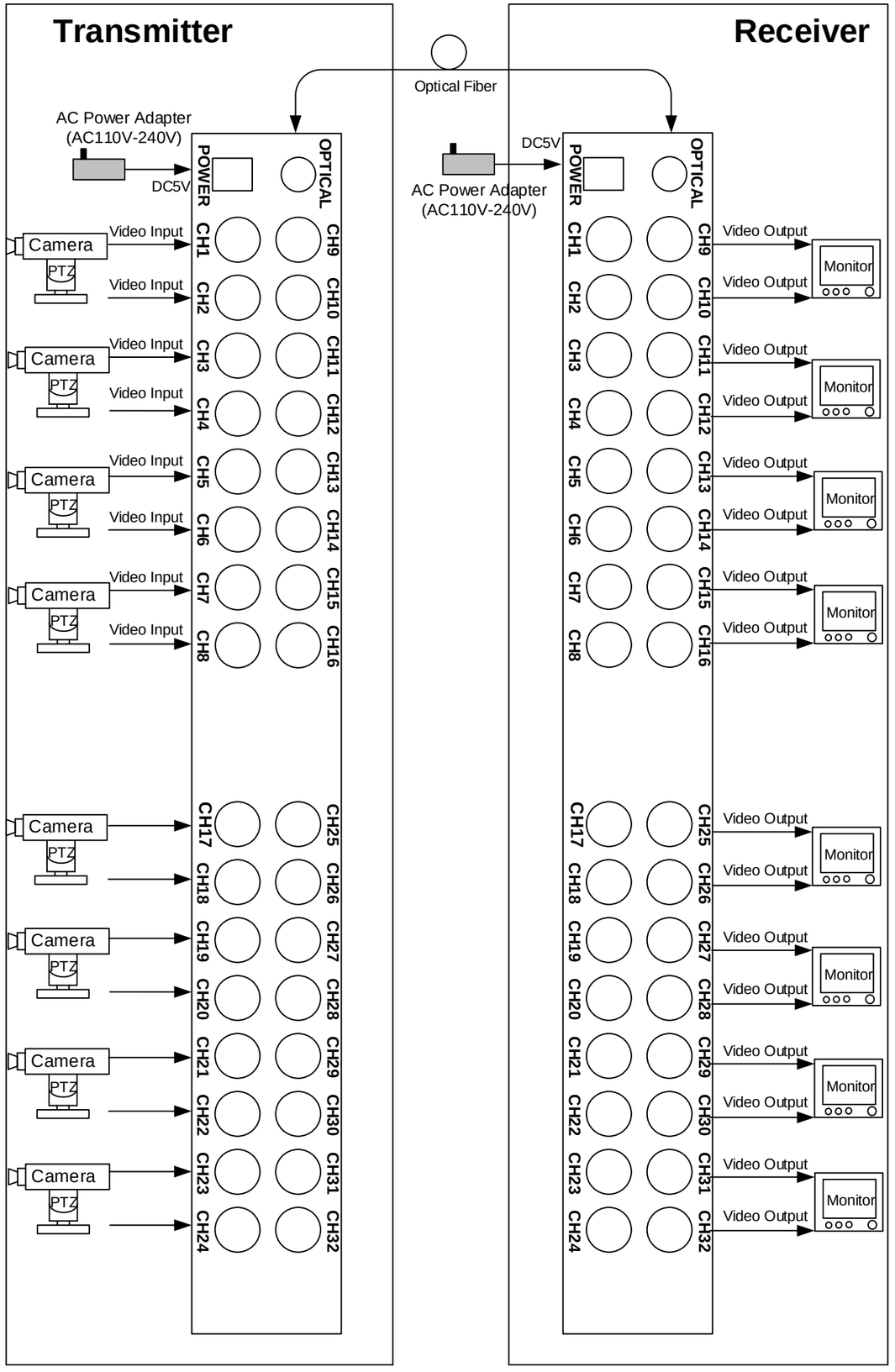
Warning

Do not open the machine case. No spare parts are present inside the unit. Refer after-sale service, please contact with your dealer or our company directly.

Features

- High speed synchronous digital transmission technology
- Module construction design
- Super optical dynamic range
- Power, Optical, Video, status indication
- Non-electromagnetic interaction
- Safety Transmission for arduous electromagnetic environment
- BNC video connector
- FC optical connector
- Video DC Restoration

The Application



INSTALLTION

■ Open the package and check the unit, Insure there is no anomalous voice from inside and did not be damaged.

■ Power Connection

Plug the power adaptor (provided) in AC110-240V power supply. The DC output of the adaptor connects respectively with the power input of the transmitter and the receiver .

The working of green power indicator light of transmitter illustrates that the transmitter works normally.

The working of yellow power indicator light of receiver illustrates that the receiver works normally.

■ Optical Fiber Connection

Connect the optical connectors of transmitter and receiver with a FC/PC patch cord. The both working of Link indicator lights of transmitter and receiver illustrate that the optical signals can be transmitted normally.

■ Connect the video connector of transmitter to camera using the coaxial cable.

■ Connect the video connector of receiver to monitor using the coaxial cable.

ATTENTION

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■ In-door equipments, operating temperature and humidity should be controlled within the specified parameters, or else, the equipment may be damaged.

■ In case the dust come in, please protect the optical connectors with cover when the equipment do not connect with anything.

INSTRUCTION

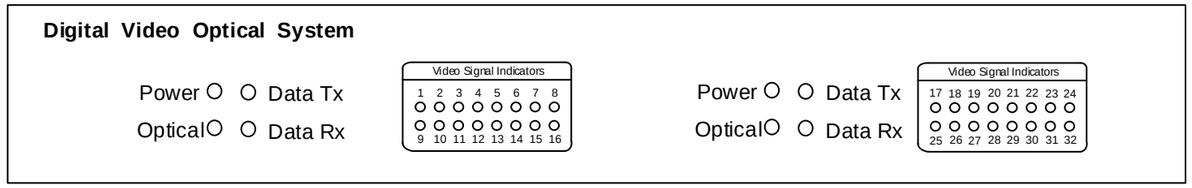
The series are digital optical transmission system optimized for 32-channel video on one single optical fiber cable.

8bit/13.5MHz digital sample for video signal, digital optical access is the guarantee of high quality signal transmission.

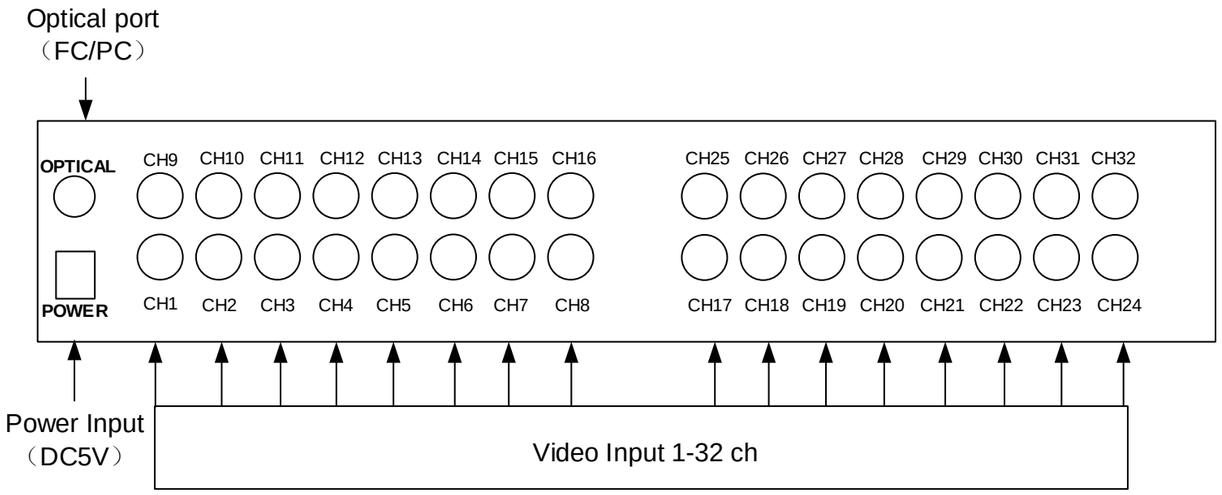
In addition, power, optical, video signal are easily inspected from the indicators on the front and rear panels. The series are high performance and reliability transmission system for long distance of video transmission.

Transmitter

The Front Panel



The Rear Panel



OPTICAL

Transmitter Wavelength	**1310nm**
Tx Transmitter Coupled Power	**>-6dBm into 9/125um fiber**
Rx Receiver Sensitivity	**<-20dBm for 65dB SNR**
Rx Receiver Saturation	**> 0dBm**
Optical Connector	**FC/PC**

PHYSICAL

Operating Temperature	**-35℃ - +75℃**
Relative Humidity	**0 - 95% non-condensing**
Power Requirements	**DC5V**
External Dimensions	**445(L)×205(W)×45(H)**
Weight of Equipment	**2500g/pc**

SPECIFICATIONS

ELECTRICAL

Video Input/Output Impedance	**75Ω(unbalanced)**
Video Input/Output Level	**1Vpp nominal**
Video Connector	**BNC**
Video Bandwidth	**25Hz to 8MHz**
Video Distorion	**<0.5%DG，<0.5°DP**
Weighted Video SNR	**>62dB**

PORTS DEFINITION

Video INPUT Ports	CH 1~CH 32
Optical Port (optical)	FC/PC
Power INPUT Port (power)	DC 5V Power Supply

Power indicator: The normal working of power indicator shows that the input power supply is correct. The irregular working of power indicator shows that the input power supply is not correct or there are some problems with the inner circuit and the equipment need repair.

Optical indicator: Indicate whether the optical signals is working correct or not.

Video Signal indicators: Indicate the video status.

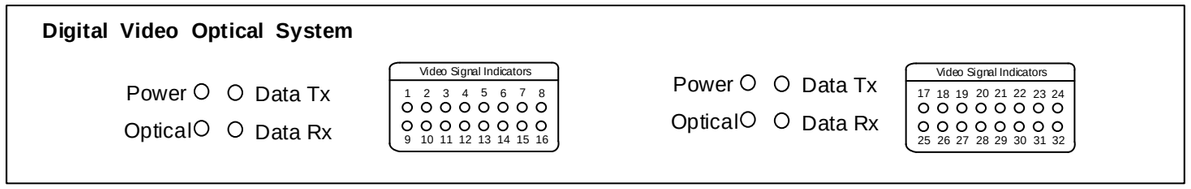
Data TX indicator: Indicate the data output. Not use.

Data RX indicator: Indicate the data input. Not use.

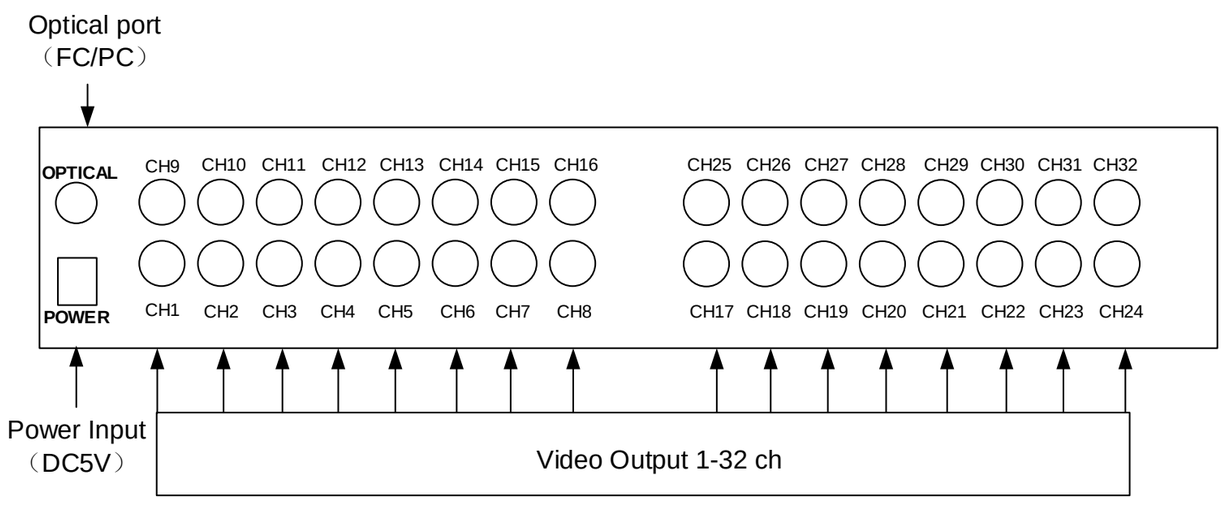
Note: The LED indicators may not indicate the correct operating status without the right connection of fiber.

Receiver

The Front Panel



The Rear Panel



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